

Amendments to the Drawings

The Examiner requested drawing sheets 1, 3, 4, 5, and 7 be labeled replacement sheets. In addition, Applicant submits herewith a replacement sheet for original sheet two.

The attached seven (7) replacement sheets of drawings are submitted. Replacement sheets one, three, four, five, six, and seven are identical to the drawing sheets 1, 3, 4, 5, and 7 submitted by previous counsel on April 14, 2005 and correct minor informalities and generally conform to USPTO drawing guidelines for FIG.s 1, 3, 4, 5, 5A, 5B, 6A, 6B, 7, 8, 9A, 9B and 10. Replacement sheet two is submitted to add element 45 to FIG.2 such that FIG.2 is consistent with the Specification and the other drawings.

Sheet one, which includes FIG. 1, replaces the original sheet 1 including FIG. 1.

Sheet two, which includes FIG. 2, replaces the original sheet 2 including FIG. 2.

Sheet three, which includes FIG.s 3 and 4, replaces the original sheet 3 including FIG.s 3 and 4.

Sheet four, which includes FIG.s 5, 5A and 5B, replaces the original sheet 4 including FIG.s 5, 5A and 5B.

Sheet five, which includes FIG.s 6A, 6B, 7, replaces the original sheet 5 including FIG.s 6A, 6B, 7.

Sheet six, which includes FIG.s 8 and 9A, replaces the original sheet 6 including FIG.s 8 and 9A.

Sheet seven, which includes FIG.s 9B and 10, replaces the original sheet 7 including FIG.s 9B and 10.

REMARKS

Claims 1 to 36, as re-numbered by the Examiner, were pending in the Application at the time of examination. The Examiner requested drawing sheets 1, 3, 4, 5, 6, and 7 be labeled replacement sheets. The Examiner re-numbered Claims 24 to 35, as filed, as Claims 25 to 36 under 37 1.126 and all dependencies were also changed. The Examiner objected to the disclosure for various informalities. The Examiner rejected Claims 6, 8, 16, 18, 27, 28, 29, 31 and 32 under 35 U.S.C. 112, second paragraph. The Examiner rejected Claims 1, 2, 3, 8, 9, 10, 11, 12, 24, 25, 26, 27, 31, 32, 33, 34, and 35 under 35 U.S.C. 103(a) as obvious over the Moore reference in view of the Teetzel reference. The Examiner rejected Claims 4, 14, 18, 19, 20, 21 and 22 as obvious over the Moore reference in view of the Teetzel reference and further in view of the McGarry et al. reference. The Examiner indicated Claims 6, 28 and 29 would be allowable if re-written to overcome the rejections under 35 U.S.C. 112, second paragraph, and to include the limitations of the base claim and any intervening claims. The Examiner objected to Claims 5, 7, 13, 15, 17, 23, 30 and 36 as being dependent on a rejected base claim but indicated these claims would be allowable if re-written in independent form and to include the limitations of the base claim and any intervening claims. The Examiner indicated Claim 16 was too indefinite to examine.

Applicant submits herewith 7 replacement sheets of drawings in response to the Examiner's comments that correct minor informalities and generally conform to USPTO drawing guidelines for drawings.

In accordance with the Examiner's comments at page 2, paragraph 2, of the official action dated November 14, 2006, original Claims 24 to 35, as filed, have been renumbered pursuant to 37 C.F.R. 1.126 as Claims 25 to 36 and all relevant dependencies (renumbered Claims 29 and 36) have

also been changed. In light of this action, all amendments made herein are made based on the renumbering of the claims.

Applicant has amended the disclosure in light of the Examiner's comments.

Applicant has cancelled Claims 1, 2, 3, 4, 8, 14, 16, 18, 19, 20, 21, 22, 24, 25, 26, 27, and 31, without prejudice. Applicant has amended Claims 5, 6, 7, 9, 10, 11, 12, 15, 17, 23, 28, 29, 30, 32, 33, 34, 35, and 36. Applicant has added new Claims 37, 38, 39 and 40.

Applicant has amended Claims 6, 28, 29, and 32 and cancelled Claim 8, 16, 18, 27, and 31, without prejudice.

Applicant has cancelled Claims 1, 2, 3, 8, 24, 25, 26, 27, and 31, without prejudice and amended Claims 9, 10, 11, 12, 32, 33, 34, and 35 to change the dependency of these claims to claims the Examiner has indicated would be allowable, as now amended.

Applicant has cancelled Claims 4, 14, 18, 19, 20, 21, and 22, without prejudice.

Applicant has amended Claim 6 to overcome the rejections under 35 U.S.C. 112, second paragraph, and to include the change of the dependency of Claim 6 to a claim (Claim 5) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 28 to overcome the rejections under 35 U.S.C. 112, second paragraph, and to include the limitations of the base claim (Claim 24) and any intervening claims (none).

Applicant has amended Claim 29 to overcome the rejections under 35 U.S.C. 112, second paragraph, and to change the dependency of Claim 29 to a claim (Claim 28) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 5 to place Claim 5 in independent form and to include the limitations of the base claim (Claim 1) and any intervening claims (none).

Applicant has amended Claim 7 to place Claim 7 in independent form and to include the limitations of the base claim (Claim 1) and any intervening claims (none).

Claim 13 depends on Claim 12, as amended. Claim 12 was amended to change the dependency of Claim 12 to a claim (Claim 5) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 15 to place Claim 15 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (none).

Applicant has amended Claim 17 to place Claim 17 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (none).

Applicant has amended Claim 23 to place Claim 23 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (Claim 22).

Applicant has amended Claim 30 to change the dependency of Claim 30 to a claim (Claim 28) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 36 to change the dependency of Claim 36 to a claim (Claim 35) amended to change the dependency of Claim 35 to a claim (Claim 28) amended to be allowable as indicated by the Examiner.

Applicant has cancelled Claim 16 without prejudice.

Applicant has added Claim 37, which is similar to cancelled Claim 2 except that Claim 37 depends on Claim 5, as amended.

Applicant has added Claim 38, which is similar to cancelled Claim 3 except that Claim 38 depends on Claim 5, as amended.

Applicant has added Claim 39, which is similar to cancelled Claim 25 except that Claim 39 depends on Claim 28, as amended.

Applicant has added Claim 40, which is similar to cancelled Claim 26 except that Claim 40 depends on Claim 28, as amended.

Consequently, Claims 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 23, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39 and 40 remain in the Application.

**NEW COUNSEL REPRESENTING APPLICANT IN THE PRESENT
APPLICATION**

In accordance with the "REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36" filed November 8, 2007, Applicant has revoked all previous powers of attorney in this application and granted those powers to present counsel. Applicant's new counsel wishes to thank the Examiner for helping present counsel understand what actions had transpired previously in this Application.

Applicant's present counsel has attempted herein to respond fully to the Examiner's Official Action of November 14, 2006 and to correct numerous informalities and/or typographical errors in the present Application. In addition, Applicant's present counsel has made various amendments to the claims in an effort to more clearly, and precisely, claim the invention as set forth in the Specification in a manner consistent with the habits and style of Applicant's present counsel. Applicant's present Counsel once again thanks the Examiner for his assistance thus far and further asks the Examiner to please contact Applicant's Attorney at (831) 655-0880 ext 14, if that would help expedite the examination and/or allowance of this case.

Please also note that the FAX number for Applicant's Attorney is now (831) 655-0888.

**REQUESTED REPLACEMENT DRAWING STATUS FOR DRAWING SHEETS 1,
3, 4, 5, AND 7 SUBMITTED IN THE PRELIMINARY AMENDMENT OF
APRIL 14, 2005 AND AS SUBMITTED AS "FORMAL DRAWINGS" ON
APRIL 14, 2005.**

The Examiner requested drawing sheets 1, 3, 4, 5, and 7 be labeled replacement sheets. In addition, Applicant submits herewith a replacement sheet for original sheet two.

The attached seven (7) replacement sheets of drawings are submitted. Replacement sheets one, three, four, five, six, and seven are identical to the drawing sheets 1, 3, 4, 5, 6, and 7 submitted by previous counsel on April 14, 2005 and correct minor informalities and generally conform to USPTO drawing guidelines for FIG.s 1, 3, 4, 5, 5A, 5B, 6A, 6B, 7, 8, 9A, 9B and 10. Replacement sheet two is submitted to add element 45 to FIG.2 such that FIG.2 is consistent with the Specification and the other drawings.

Sheet one, which includes FIG. 1, replaces the original sheet 1 including FIG. 1.

Sheet two, which includes FIG. 2, replaces the original sheet 2 including FIG. 2.

Sheet three, which includes FIG.s 3 and 4, replaces the original sheet 3 including FIG.s 3 and 4.

Sheet four, which includes FIG.s 5, 5A and 5B, replaces the original sheet 4 including FIG.s 5, 5A and 5B.

Sheet five, which includes FIG.s 6A, 6B, 7, replaces the original sheet 5 including FIG.s 6A, 6B, 7.

Sheet six, which includes FIG.s 8 and 9A, replaces the original sheet 6 including FIG.s 8 and 9A.

Sheet seven, which includes FIG.s 9B and 10, replaces the original sheet 7 including FIG.s 9B and 10.

RE-NUMBERING OF CLAIMS 24 TO 35 AS CLAIMS 25 TO 36

The Examiner re-numbered Claims 24 to 35, as filed, as Claims 25 to 36 under 37 1.126 and all dependencies were also changed.

In accordance with the Examiner's comments at page 2, paragraph 2, of the official action dated November 14, 2006, original Claims 24 to 35 as filed have been renumbered pursuant to 37 C.F.R. 1.126 as Claims 25 to 36 and all relevant dependencies (renumbered Claims 29 and 36) have also been changed. In light of this action, it has been assumed that all of the Examiner's comments in the Official Action of November 14, 2006 were based on this re-numbering and, therefore, all the amendments and/or comments made herein are made based on the re-numbering of the claims of the Official Action of November 14, 2006.

OBJECTIONS TO THE DISCLOSURE

The Examiner objected to the disclosure for various informalities.

As shown above, Applicant has amended the Specification to correct not only the informalities pointed out by the Examiner but to also correct various other informalities found by Applicant's present counsel. In addition, as noted above, replacement sheet two is submitted to add element 45 to FIG.2 such that FIG.2 is consistent with the Specification and the other drawings.

In light of the amendments to the Specification and FIG.2, Applicant respectfully requests the Examiner withdraw the objections to the disclosure.

REJECTION OF CLAIMS 6, 8, 16, 18, 27, 28, 29, 31 AND 32
UNDER 35 U.S.C. 112, SECOND PARAGRAPH.

The Examiner rejected Claims 6, 8, 16, 18, 27, 28, 29, 31 and 32 under 35 U.S.C. 112, second paragraph.

Applicant has cancelled Claims 8, 16, 18, 27, and 31, without prejudice. Consequently, Applicant respectfully submits the rejection of Claims 8, 16, 18, 27, and 31 is now moot.

Applicant has amended Claims 6, 28, 29, and 32.

Claim 6 has been amended to eliminate the reference to the "external step".

Claim 28 has been amended to eliminate the reference to the "external step".

Claim 28 has been amended to recite the second direction as being perpendicular.

Claim 32 has been amended to delete the term "including".

Claim 29 has been amended for clarity and consistency with the other claims.

In light of the amendments to Claims 6, 28, 29, and 32, Applicant respectfully requests the Examiner withdraw the rejection of Claims 6, 28, 29, and 32 under 35 U.S.C. 112, second paragraph.

REJECTION OF CLAIMS 1, 2, 3, 8, 9, 10, 11, 12, 24, 25, 26,
27, 31, 32, 33, 34, AND 35 UNDER 35 U.S.C. 103(a)

The Examiner rejected Claims 1, 2, 3, 8, 9, 10, 11, 12, 24, 25, 26, 27, 31, 32, 33, 34, 35 under 35 U.S.C. 103(a) as obvious over the Moore reference in view of the Teetzel reference.

Applicant has cancelled Claims 1, 2, 3, 8, 24, 25, 26, 27, and 31, without prejudice. Consequently, Applicant respectfully submits the rejection of Claims 1, 2, 3, 8, 24, 25, 26, 27, and 31 is now moot.

Applicant has amended Claims 9, 10, 11, 12, 32, 33, 34, and 35 to change the dependency of these Claims to Claims the Examiner has indicated would be allowable.

In light of the amendments to Claims 9, 10, 11, 12, 32, 33, 34, and 35, Applicant respectfully requests the Examiner withdraw the rejection of Claims 9, 10, 11, 12, 32, 33, 34, and 35 under 35 U.S.C. 103(a).

REJECTION OF CLAIMS 4, 14, 18, 19, 20, 21 and 22 UNDER 35
U.S.C. 103(a)

The Examiner rejected Claims 4, 14, 18, 19, 20, 21 and 22 as obvious over the Moore reference in view of the Teetzel reference and further in view of the McGarry et al. reference.

Applicant has cancelled Claims 4, 14, 18, 19, 20, 21, and 22, without prejudice. Consequently, Applicant respectfully submits the rejection of Claims 4, 14, 18, 19, 20, 21, and 22, is now moot.

ALLOWABLE SUBJECT MATTER

The Examiner indicated Claims 6, 28 and 29 would be allowable if re-written to overcome the rejections under 35 U.S.C. 112, second paragraph, and to include the limitations of the base claim and any intervening claims.

Applicant has amended Claim 6 to overcome the rejections under 35 U.S.C. 112, second paragraph, to include the change the dependency of Claim 6 to a claim (Claim 5) amended to be allowable as indicated by the Examiner, and to correct minor informalities and/or errors.

Applicant has amended Claim 28 to overcome the rejections under 35 U.S.C. 112, second paragraph, to include the limitations of the base claim (Claim 24) and any intervening claims (none), and to correct minor informalities and/or errors.

Applicant has amended Claim 29 to overcome the rejections under 35 U.S.C. 112, second paragraph, to change the dependency of Claim 29 to a claim (Claim 28) amended to be allowable as indicated by the Examiner, and to correct minor informalities and/or errors.

In light of the amendments to Claims 6, 28 and 29, and the Examiner's previous comments, Applicant respectfully requests allowance of Claims 6, 28 and 29 and now dependent Claims, as amended, 30, 32, 33, 34, 35, 36, 37, 38, 39 and 40.

The Examiner objected to Claims 5, 7, 13, 15, 17, 23, 30 and 36 as being dependent on a rejected base claim but indicated these claims would be allowable if re-written in independent form and to include the limitations of the base claim and any intervening claims.

Applicant has amended Claim 5 to place Claim 5 in independent form and to include the limitations of the base claim (Claim 1) and any intervening claims (none).

Applicant has amended Claim 7 to place Claim 7 in independent form and to include the limitations of the base claim (Claim 1) and any intervening claims (none).

Claim 13 depends on Claim 12, as amended. Claim 12 was amended to change the dependency of Claim 12 to a claim (Claim 5) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 15 to place Claim 15 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (none).

Applicant has amended Claim 17 to place Claim 17 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (none).

Applicant has amended Claim 23 to place Claim 23 in independent form and to include the limitations of the base claim (Claim 14) and any intervening claims (Claim 22).

Applicant has amended Claim 30 to change the dependency of Claim 30 to a claim (Claim 28) amended to be allowable as indicated by the Examiner.

Applicant has amended Claim 36 to change the dependency of Claim 36 to a claim (Claim 35) amended to change the dependency of Claim 35 to a claim (Claim 28) amended to be allowable as indicated by the Examiner.

In light of the amendments to Claims 5, 7, 15, 17, 23, 30 and 36 and the Examiner's previous comments, Applicant respectfully requests allowance of Claims 5, 7, 13, 15, 17, 23, 30 and 36 and now dependent Claims, as amended, 6, 9, 10, 11, 12, and 36.

CLAIM 16

The Examiner indicated Claim 16 was too indefinite to examine.

Applicant has cancelled Claim 16, without prejudice. Consequently, Applicant respectfully submits the rejection of Claim 16 is now moot.

NEW CLAIMS 37, 38, 39 AND 40

Applicant has added Claim 37, which is similar to cancelled Claim 2 except that Claim 37 depends on Claim 5, as amended.

Applicant has added Claim 38, which is similar to cancelled Claim 3 except that Claim 38 depends on Claim 5, as amended.

Applicant has added Claim 39, which is similar to cancelled Claim 25 except that Claim 39 depends on Claim 28, as amended.

Applicant has added Claim 40, which is similar to cancelled Claim 26 except that Claim 40 depends on Claim 28, as amended.

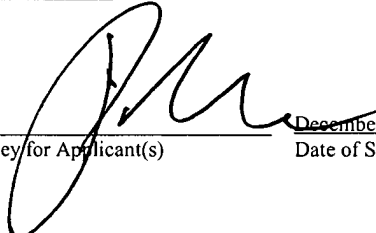
In light of the dependency of Claims 37 and 38 on Claim 5, as amended, and the dependency of Claims 39 and 40 on Claim 28, as amended, Applicant respectfully requests allowance of new Claims 37, 38, 39 and 40.

CONCLUSION

For the foregoing reasons, Applicant respectfully requests allowance of all pending claims 5, 6, 7, 9, 10, 11, 12, 13, 15, 17, 23, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39 and 40. If the Examiner has any questions relating to the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicants.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 14, 2007.




Attorney for Applicant(s)

December 14, 2007

Date of Signature

Respectfully submitted,


Philip McKay
Attorney for Applicant(s)
Reg. No. 38,966
Tel.: (831) 655-0880 ext. 14